

DH



UNITED NATIONS
ECONOMIC AND SOCIAL COUNCIL

Distr. LIMITED

E/ECA/PSD.6/18
18 December 1989

Original: ENGLISH

ECONOMIC COMMISSION FOR AFRICA

Sixth session of the Joint Conference
of African Planners Statisticians
and Demographers

Addis Ababa, Ethiopia, 15-20 January 1990

REVIEW OF ECA STATISTICAL ACTIVITIES (1988-1989)
AND FUTURE WORK PROGRAMME

LC/NAIROBI

Contents

	<u>Paragraphs</u>	<u>Page</u>
I. INTRODUCTION	1- 3	1
II. WORK PERFORMANCE (1988-1989)	4-39	1- 8
Subprogramme 1: Statistical Development		
Subprogramme 2: Economic Statistics		
Subprogramme 3: Censuses and Surveys		
III. PROGRAMME BUDGET FOR THE BIENNIUM 1990-1991	40-43	9
IV. CONCLUSIONS	44-50	10-11
ANNEX I - LIST OF PROFESSIONALS OF ECA STATISTICS DIVISION		
ANNEX II - WORK PROGRAMME FOR THE BIENNIUM 1988-1989		
ANNEX III - WORK PROGRAMME FOR THE BIENNIUM 1990-1991		
ANNEX IV - PROPOSED WORK PROGRAMME NARRATIVE, 1992-1993		

I. INTRODUCTION

1. The performance of ECA Statistics Division during the biennium 1988-1989 was affected by the long delay encountered in filling the vacant posts following the lifting of recruitment freeze. Thus the Division had an average of 68 per cent of the total work-months originally provided for it in the work programme budget. This represents a slight improvement compared with the situation during the biennium 1986-1987. The percentage of total work-months available increased from approximately 58 per cent in January 1988 to 75 per cent in December 1989. The full list of professional staff in the Statistics Division is attached as Annex I.

2. The staffing problems encountered by the statistics programme financed from the regular budget did not apply to statistical projects financed from extra-budgetary resources. Thus a large number of technical advisory missions were carried out in the area of statistical training, basic economic statistics, demographic and social statistics and household surveys.

3. It is proposed that the Joint Conference should review the ECA statistical activities during the biennium 1988-1989, consider the 1990-1991 programme budget (Annex III), the proposed 1992-1993 work programme narrative (Annex IV) and the medium-term plan 1992-1996 (document E/ECA/PSD.6/19).

II. WORK PERFORMANCE (1988-1989)

4. As shown in Annex II, the statistics programme was expected to continue to address the lack of efficient and durable statistical systems that has seriously handicapped many African countries in the preparation, implementation and monitoring of their development plans. The problem has become even more urgent because many African countries have instituted economic policy reforms under a number of international programmes such as Africa's Priority Programme for Economic Recovery 1986-1990 (APPER), the United Nations Programme of Action for African Economic Recovery and Development 1986-1990 (UN-PAAERD) and the Lagos Plan of Action.

5. Unfortunately the Statistics Division continued to operate with a high rate of vacant posts during the period under consideration. Measures had been taken to recruit staff on a temporary basis to fill in the gaps. Thus for example the Division operated with only 58 per cent of its regular budget professional staff in January 1988, although the situation improved in December 1989 with a percentage of 75 per cent. The Statistics Division had an average of 68 per cent of the total work-months originally provided for in the work programme budget, not taking into account one P.3 post in national accounts which

was abolished. However, the situation has slightly improved compared with that of the biennium 1986-1987 which had an average of just under 50 per cent.

6. The vacancy situation in the Division adversely affected the delivery of a number of programmed outputs, albeit the impact of the situation was less than full as some of the related outputs were assigned to staff on board. Additional outputs required by legislation or added at the initiative of the secretariat were also delivered.

7. The travel funds allocated to the programme under the regular budget continued to decline with an amount of USD17,300 for the 1988-1989 biennium, thus reflecting a decrease of USS1,900 from the revalued base. It should however be noted that funds were available from extra-budgetary sources to finance advisory missions which were part of the activities of projects executed by the Statistics Division. An account of these missions has been given in document E/ECA/PSD.6/5 on ECA technical assistance in the fields of planning, statistics, demography and information sciences.

8. A summary of activities undertaken under the regular budget which were carried out during the biennium 1988-1989 is given below. For ease of presentation these are considered under the three sub-programmes into which the programme "Statistics in Africa" is divided, namely statistical development, economic statistics and censuses and surveys.

Subprogramme 1: Statistical Development

9. Under this subprogramme one post at the P.4 level (Chief, Statistical Data Base) and one post at the P.2 level (associate statistician) were vacant for a total of 30 work-months during the biennium 1988-1989. Also, the Chief, Statistics Division, left on retirement at the end of November 1989. In view of the high priority attached to the subprogramme, staff resources had to be redeployed to enable as many outputs as possible to be delivered.

10. All outputs under programme element 1.1 - General Aspects of Co-ordination and Development - were delivered. The reports to the fifth session of the Joint Conference of African Planners, Statisticians and Demographers were prepared and the Conference was held as planned. The 1988 issue of the Directory of African Statisticians, the 1989 issue of the Bibliography of African publications and four issues of the Statistical Newsletter were published. Additional outputs required by legislation were also delivered within the framework of the UNDP/World Bank/ECA project on Data collection related to development programmes and aid flows in Africa. In this connection missions on assessment of

national statistical capacity were undertaken to 32 African countries. As a result a paper entitled "An Overview of national statistical capacity in selected ECA member States" is being presented to the Conference.

11. With respect to programme element 1.2 - Statistical Data Base Development - all outputs were also delivered with the exception of a report to the fifth session of the Joint Conference of African Planners, Statisticians and Demographers on the survey of member States requirements for developing statistical data bases which was terminated due to the vacancy of the post of Chief Statistical Data Base (ex-Chief, International Trade and Related Statistics Section).

12. Under the operational activities in this area, a training seminar on the use of software packages in statistical computing for French-speaking Government statisticians and planners was held in February 1989. The relevant reports to the seminar were also prepared. One advisory mission to member States on the development and maintenance of national statistical data base was terminated due to lack of travel funds. However, arrangements have been made for the delivery of this output from extra-budgetary resources under a project executed by the Statistics Division.

13. All outputs under programme element 1.3 - Statistical Training Programme for Africa (STPA) - were also delivered with the exception of 1.1 (i) - Report to the fifth session of the Joint Conference of African Planners, Statisticians and Demographers on the Statistical Training Programme for Africa which was terminated due to the vacancy situation in the Statistics Division during the period under consideration. Also some elements of the paper have been partly included in the report to the Joint Conference on the evaluation of STPA.

14. The sixth meeting of Directors of STPA Centres was held in Addis Ababa in December 1989. The report of the meeting will be considered under the agenda item number 14 of the present Conference on Integrated approach to the development of statistics: The Statistical Development Programme for Africa. The meeting agreed inter alia that statistical training provided within the STPA framework should be continued in line of the current national situation and that special emphasis should be laid on post-graduate and specialised training, including the training of trainers, and middle level personnel. The meeting also expressed satisfaction with the news that CESD-Lisbon which was being established within the Higher Institute for Statistical Information and Management (ISEGI) of Portugal for training of professional statisticians for Portuguese-speaking developing countries, particularly of Africa, will open in 1990.

Furthermore, it recommended that appropriate steps should be taken by the various parties involved in the establishment of a middle-level statistical training centre in Bissau for the use by Guinea Bissau, Cape Verde and Sao Tome and Principe to enable the opening of the centre in October 1990.

15. It should be noted that a wide range of activities within the framework of STPA has been carried out under the UNDP financed project "Statistical Development Programme for Africa" (SDPA). A brief account of the overall activities in the area of statistical training is given in the document E/ECA/PSD.6/5 on ECA technical assistance.

Subprogramme 2: Economic Statistics

16. Under this subprogramme, two posts at the P.3 level (one in national accounts and the other in international trade) and one post at the P.2 level (in price statistics) were vacant for a total of 42 work-months.

17. Work on economic statistics continued in the following areas: national accounts and finance, external trade, industry and energy, prices, agriculture, transport and communications and tourism.

18. The thrust of these activities was the improvement of the technical quality of national, subregional and regional statistical data bases and the building up of national capability and self-reliance in the production and dissemination of relevant and timely basic economic data targeted at specific needs of current development policy. In this regard, much emphasis was placed on advisory services to countries.

19. In many countries of the African region the availability of basic economic statistics falls far short of the minimum desirable or even essential for rational policy making and economic development. This is evidenced, for example, by the absence of up-to-date estimates of economic growth and of the basic data, principally agricultural and industrial, required to make such estimates reliably, adequately and early enough to be useful to formulate and implement policies.

20. Twenty advisory service missions with follow-up in almost all cases were fielded in the following countries: Benin, Burkina Faso, Djibouti, Equatorial Guinea, Gabon, Guinea, Liberia, Mauritania, Rwanda, and Tanzania. The emphasis of these missions was on-the-job training and the building of national capability. These missions were undertaken both by regular budget and project staff and were financed mainly from extra-budgetary resources. The missions were able to observe at first

hand, the progress being made and problems encountered. Some of these advisory service missions addressed not only problematic areas and on-the-job training but also short in-service training for substantive and subject-matter related departments/offices of the statistical services as well as user-departments. A popular area of such in-service-training has been national accounts.

21. Seminars and workshops have also contributed to the process of building up of national capability and self-reliance. These meetings did provide useful fora for effective discussion of technical matters and exchange of ideas and practical experience. The working group on improving the basic economic statistics required for planning purposes which was held in Addis Ababa, in September 1988, was one such meeting. Organized in two monolingual groups (one English-and the other French-speaking) which were held concurrently, the working group brought together participants from 25 ECA member States, the South West Africa People's Organization, the World Bank and the United Nations Statistical Office. Unfortunately that working group was the only one in economic statistics which the secretariat was able to organize out of three which had been included in the Division's work programme for the biennium 1988-1989. Lack of funds did not permit the holding of a seminar on International trade statistics and a working group on Improvement of data on small-scale and household industries. The United Nations Development Programme (UNDP) provided funding under the Statistical Development Programme for Africa (SDPA) for holding the working group.

22. Delivery of advisory missions in basic economic statistics and national accounts to member States in 1988-1989 was on a lower scale than programmed for the biennium. The rate of delivery was more or less similar to that of 1986-1987. But whereas the cause in 1986-1987 was, by and large, explained to be the financial crisis in the United Nations System, in 1988-1989 it was the vacant post of regional adviser in national accounts under the UN regular programme of technical co-operation. The incumbent of that post left ECA in February 1988 and a replacement could not be found until November 1989.

23. In spite of the overall low level of delivery of advisory services in economic statistics in the biennium 1988-1989, it is gratifying to note a reversal of the position as regards industrial statistics. Whereas no advisory service mission was undertaken during the 1986-1987 biennium, seven such missions were undertaken in 1988-1989. Five of these missions were focused on assisting countries to implement international recommendations on industrial statistics, the organization and conduct of nation-wide industrial censuses and the gradual setting up of integrated systems of industrial statistics. The other two missions critically reviewed national practices in the area of enterprise statistics and made recommendations on ways of improving the quality and quantity of the existing data bases.

24. It should also be mentioned that, as part of its operational activities the Division collaborated with the Economic Community of West African States (ECOWAS) in the conduct of a Seminar on National Accounts Statistics which was held in Cotonou, Republic of Benin in November 1988 for State members of the Community.

25. In respect of the SNA Review, it should be indicated that the revised draft of the SNA is expected to be submitted to one, possibly two regional consultations meetings: one meeting in 1990 and the other possibly between end of 1991 and mid 1992. Two separate monolingual meetings are planned for the ECA region in 1990 and steps have been taken to interest donor agencies in these meetings.

26. The International Comparison Project (ICP) which has been a driving force in the development of national price statistics, especially consumer price indices, has now completed the Phase V activities. Preliminary results are available for all regions. It will be recalled that 22 out of the 32 countries which participated in ICP-Phase V are in Africa. Tables with minor methodological explanations will be published jointly by the United Nations Statistical Office and the Statistical Office of the European Communities (GEMSTAT). The twenty-fifth (February 1989) session of the Statistical Commission stressed the importance of preparing and disseminating a handbook on the ICP.

27. Work on the further development of the secretariat's data base was intensified since the last biennium. In the area of economic statistics activities were concentrated on agriculture, industry, transport, communications and tourism, the public sector, prices, international trade and external transactions.

28. The following publications under this subprogramme were finalized for publication: 1987 African Statistical Yearbook, 1987 African Social and Economic Indicators, Statistical Information Bulletin for Africa No. 19, Foreign Trade Statistics for Africa - Summary tables Series 7 numbers 8 and 9, Foreign Trade Statistics for Africa - Direction of Trade Series A numbers 31 and 32.

29. Computer printouts of economic data in the ECA data base sent out to the statistical services of member States were on: agriculture; total trade (imports, exports and balance of trade); exchange rates (imports, exports and weighted); annual average growth rates of imports and exports; share of developing Africa imports in exports; gross domestic product (GDP) by kind of economic activity and expenditure on GDP at current and constant prices in national currency and United States dollars; growth rates on GDP; sectoral deflators; price indices; public sector statistics; general industrial commodity production and energy; transport, communications, external transactions and tourism.

Subprogramme 3: Censuses and Surveys

30. Under this subprogramme one post at the P.3 level was vacant for a total of 20 work-months during the biennium 1988-1989.

31. All outputs under programme element 3.1 - Demographic and Social Statistics were delivered. The Working Group on Migration Statistics was organized in November 1989, with financial support from the United Nations Population Fund (UNFPA). The Working Group was attended by 13 African experts invited in their individual capacities from the following countries: Botswana, Congo, Ethiopia, Ghana, Guinea, Malawi, Mali, Rwanda, Sierra Leone, Swaziland, Tanzania, Uganda and Zaire. Work on development of demographic and social statistics data base continued. Finally, technical publications were prepared on (a) population registers in Africa and other more conventional sources of demographic statistics and (b) socio-economic indicators on women derived from household survey data and other sources.

32. The output under programme element 3.2 - Support to technical co-operation project in Central Africa: Union douanière et économique de l'Afrique centrale - could not be delivered following redeployment of resources to other priority outputs, particularly in the subprogramme 1.

33. Under the programme element 3.3 - Regional Advisory Service in Demographic Statistics - the intergovernmental working group on processing of census, civil registration and sample survey data [output 3.3 (ii)] was cancelled due to lack of financial support. However, the three reports which were to be presented to the working group, namely review of African practices in processing census, civil registration and sample survey data [output 3.3 (i) (a)], integrated plan for data entry, editing, tabulation and analysis of data [output 3.3 (i) (b)] and inventory of software packages available for statistical data processing in Africa [output 3.3 (i) (c)] were prepared and forwarded to member States for consideration. The technical publication on registration of the nomadic population for Government statisticians and planners was also terminated because this output was delivered as a study case for Mali using extra-budgetary resources.

34. As regards the operational activities under this programme element, all the advisory service missions to member States on the organization, planning and conduct of national population and housing censuses and development of civil registration systems and vital statistics collection were carried out except one. It should however be pointed out that about 90 advisory missions

were undertaken to 35 member States during the biennium in the above fields within the framework of the project Regional Advisory Service in Demographic Statistics which is financed by UNFPA.

35. All the outputs under programme element 3.4 - African Household Survey Capability Programme were delivered. All the reports to the intergovernmental working group on household surveys were prepared by the ECA staff and the ECA/ILO Regional Adviser in Household Surveys. The working group, which was organized in Addis Ababa in October 1989, was attended by 22 experts from the following member States of ECA: Algeria, Botswana, Cape Verde, Egypt, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Lesotho, Mali, Morocco, Niger, Rwanda, Senegal, Seychelles, Sierra Leone, Swaziland, the United Republic of Tanzania, Zambia and Zimbabwe.

36. Under the operational activities for this programme element, one advisory service mission could not be undertaken due to lack of financial resources in the regular budget. However, about 35 advisory missions were undertaken to 20 member States during the biennium under the project Statistical Development Programme for Africa (SDPA) which is financed by UNDP.

37. Under the programme element 3.5 - Environment Statistics - emphasis was put on the establishment of a regional data base containing high priority indicators related to the environmental concerns expressed in UN-PAAERD, particularly drought and desertification, base line information on main factors describing the natural and man-made environment in African countries and specific statistical information on environmental components, events, impacts and responses for groups of countries with similar ecologies or environmental concerns (computer printouts on environment statistics for Government statisticians and planners).

38. One advisory mission was also undertaken to Botswana to assess the feasibility of establishing an environment statistics programme in that country. However, one advisory mission which was planned could not be undertaken due to lack of travel funds. Meanwhile the opportunity of other missions was used to hold consultations with various agencies dealing with environment statistics particularly the United Nations Environment Programme (UNEP) in Nairobi, the Economic Commission for Europe (ECE), Geneva, and the FAO Statistics Division and Forestry Division, Rome.

39. The two workshops included in the work programme, one for English- and the other for French-speaking countries, on environment statistics could not be organized due also to lack of financial resources.

III. PROGRAMME BUDGET FOR THE BIENNIUM 1990-1991

40. Annex III shows the Programme budget approved by the United Nations for the biennium 1990-1991. It should be noted that the activities for this period will aim at responding to the continuing and growing need for reliable and up-to-date data in the African region. The three sub-programmes, namely statistical development, economic statistics and censuses and surveys, remain the same. However, the number of programme elements under each subprogramme has generally been reduced and in some cases the title of the programme element has changed.

41. Under subprogramme 1 - Statistical Development - the programme element which was previously entitled Statistical Training Programme for Africa (STPA) has now become "Organizational training and dissemination activities in the field of statistics" and includes also outputs relating to technical publications such as the African social and economic indicators and the Bibliography of African statistical publications. The operational activities under this programme element include advisory service missions to member States on statistical organization. The Statistical Newsletter and the African Statistical Yearbook are included in programme element 1.1 - General aspects of co-ordination and development - and the Directory of Data Processing Centres and Experts in Africa and the Directory of African Statisticians in programme element 1.3 - Statistical Data Base Development. The Statistical Information Bulletin for Africa has been discontinued due to frequent delay in its publication. This will enable the results of studies to be dispatched to member States as they are available.

42. The number of programme elements under subprogramme 2 - Economic Statistics - has been reduced from 5 to 4. The former programme element on National Accounts Capability Programme (NACP) has now been merged with national accounts and finance. Price statistics has been combined with other economic statistics. Finally the title of the programme element on industrial statistics has been re-named "Industrial and energy statistics" in order to take into account the importance of statistics of new and renewable sources of energy.

43. The number of programme elements under subprogramme 3 - Censuses and Surveys - has been reduced from 4 to 2. The three former programme elements on demographic and social statistics, Regional Advisory Service in Demographic Statistics and African Household Survey Capability Programme (AHSCP) have been merged into one single programme element entitled "Demographic, social and household statistics". The programme element on Environment Statistics remains the same.

IV. CONCLUSIONS

44. A brief account has been given in the preceding sections and Annexes II and III of the ECA statistical activities during the biennium 1988-1989 and those planned for the biennium 1990-1991. In addition, a provisional work programme for the period 1992-1993 has been outlined in Annex IV.

45. In concluding, the secretariat wishes to draw the attention of the Joint Conference to a few issues which it had encountered during the implementation of the work programme.

46. Participants would recall that in the report to the fifth session of this Conference on programme implementation by the Statistics Division mention was made of the adverse effects that lack of funds was having on the rate of programme implementation. The position remains bleak. Even more, it is now being said that starting from the 1990-1991 biennium no more extrabudgetary resources will be available to implement regular budget activities. If this turns out to be the case, it will affect further the implementation of programmed activities.

47. Despite repeated requests and appeals by the secretariat, a number of member States do not send copies of their published statistical data to ECA. Latest available copies of such publications on some countries date back to the 1970s. In its effort to get official statistics, the secretariat has over the last five years or so been sending computer printouts of country data in the regional data base to countries so that the data could be corrected, revised, up-dated, etc. and returned to ECA to enable the latter to make the necessary corrections and/or up-dates. Only a few countries have returned the printouts. The secretariat wishes to express its appreciation to these countries for their co-operation and very valuable assistance.

48. Some countries did indicate that it had not been possible for them to amend data series which were presented in United States dollars, for example, some national accounts tables. The secretariat would like to use this opportunity to inform countries that the purpose for sending them statistical data in United States dollars is solely for information and inter-country comparisons. Countries are very welcome to correct and up-date such data where they can, otherwise no revision, corrections or up-dates to these tables are expected. What is anticipated is that countries will, if necessary, amend, revise and/or up-date the printouts which are in local currency and return them to ECA for entry into and maintenance of its data base.

49. Some member States which used to send their statistical publications to the secretariat free of charge have over the last couple of years been requesting that ECA takes out subscription to those publications. Since such subscription has not been taken these countries have ceased to send in their publications. In this connection, it should perhaps be mentioned that the secretariat sends its publications free of charge to all member States. Reference, for example, African Statistical Yearbook, Statistical Information Bulletin for Africa, Foreign Trade Statistics for Africa, Statistical Newsletter, etc. The secretariat very much wishes to take this opportunity to appeal to all member States to send their statistical publications to the secretariat on an exchange basis. To defray the cost of postage, the material could be sent through the good offices of the United Nations Resident Representative in the country.

50. The Conference is invited to make comments and suggestions on the implementation of ECA work programme in statistics during the biennium 1988-1989, the activities planned for the period 1990-1991 and the provisional work programme for 1992-1993. The Conference is also requested to react to the issues raised above and submit any other relevant issues for discussion.

ANNEX I

LIST OF PROFESSIONALS OF ECA STATISTICS DIVISION

I. REGULAR BUDGET STAFF

Office of the Chief

Chief of the Division	K.T.de Graft-Johnson (Ghana) <u>a/</u>
-----------------------	--

Statistical Development Section

Chief of Section	Robin Andrianasolo (Madagascar)
------------------	---------------------------------

Chief, Demographic and Social Statistics	Rene Rakotobe (Madagascar)
---	----------------------------

Chief, Statistical Data Base	Vacant <u>b/</u>
---------------------------------	------------------

Environment Statistician	Christine Kronauer (FRG)
--------------------------	--------------------------

Demographic Statistician	Anne-Marie Bakyono (Burkina Faso)
--------------------------	--------------------------------------

Associate Statistician (statistical data base)	Victoire Tankou (Cameroon) <u>c/</u>
---	--------------------------------------

Economic Statistics Section

Chief of Section	A.E. Cummings-Palmer (Sierra Leone)
------------------	--

Industrial Statistician	A.K. Amelewonou (Togo)
-------------------------	------------------------

Statistician (national accounts)	Vacant
-------------------------------------	--------

Statistician (trade)	E.F. Ching'anda (Malawi) <u>d/</u>
----------------------	------------------------------------

Associate statistician (prices)	A. Ngwako (Botswana) <u>e/</u>
------------------------------------	--------------------------------

Regional Adviser (national accounts)	Vacant <u>f/</u>
---	------------------

II. PROJECT STAFF

Regional Advisory Service in Demographic Statistics (RASDS)

Chief Technical Adviser (Demographic Statistics)	E.A. Colecraft (Ghana)
Regional Adviser (demographic statistics)	Hamady Sow (Mali)
Regional Adviser (data processing)	Jean-Marc Hie (Cameroon)
Regional Adviser (data processing)	Zewdie Gebeyehu (Ethiopia) <u>g/</u>
Regional Adviser (census cartography)	R.R. Tripathi (India)
Regional Adviser (census cartography)	O. Bocoum (Mali)
Regional Adviser (civil registration)	A. Karim Diop (Senegal)
Regional Adviser (sampling)	J.O. Onsembe (Kenya) <u>g/</u>

Statistical Development Programme for Africa (SDPA)

Chief Technical Adviser, Household Surveys Specialist	M. Chaari (Tunisia)
ILO Regional Adviser in Household Surveys, attached to ECA Statistics Division	R.J. Pember (Australia)
Regional Adviser (Household Survey Data Processing Specialist under a bilateral co-operation agreement between ECA and Federal Republic of Germany)	H. Girkes (FRG) <u>h/</u>

Specialist in national accounts Luc Mbong-Mbong (Cameroon)

Statistical Training Adviser K.K. Bockor (Togo)

Statistical Training Adviser/Household Survey Specialist Vacant

Data Base Specialist Vacant

UDEAC/DEP Project

Chief Technical Adviser Jacob Tayo (Cameroon)

Expert A. Mayouya (Congo)

-
- a/ Left on retirement at the end of November 1989.
- b/ Post filled temporarily from 14 June 1988 to 13 May 1989.
- c/ Post filled temporarily, vacant for 17 months in 1988-1989.
- d/ Transferred to this post in August 1989; post vacant for 19 months in 1988-1989.
- e/ Post filled temporarily, vacant for 5 months in 1988-1989.
- f/ Mr. K.C. Wang (United Kingdom) recruited for this post but can join only in January 1990.
- g/ New posts
- h/ Post abolished upon the expiration of the agreement with FRG in May 1988.

ANNEX II

WORK PROGRAMME FOR THE BIENNIUM 1988-1989

STATISTICS IN AFRICA

The activities under this programme during the biennium are expected to continue to address the lack of efficient and durable statistical systems that has seriously handicapped many African countries in the preparation, implementation and monitoring of their development plans. The problem has become even more urgent because of the African economic crisis and the data requirements of the Lagos Plan of Action and the United Nations Programme of Action for African Economic Recovery and Development.

The programme will concentrate, as in the past, mainly on technical assistance designed to develop statistical information, to strengthen and expand the training of national statistical personnel and to build up national capabilities in the production of timely basic economic statistics and national accounts, in the planning, conduct, processing and evaluation of national population and housing censuses and integrated household survey programmes and in the development and improvement of civil registration systems and vital statistics collection. Training of national statistical personnel will involve seminars and workshops designed to improve their knowledge and performance.

Efforts will also be made to develop further environment statistics and emphasis will continue to be placed on the development and maintenance of a regional information service through further development of the statistical data base. An integrated approach will be adopted in carrying out all these activities.

The three subprogrammes, their programme elements and the related output are described below:

Subprogramme 1: Statistical development

Programme elements:

1.1 General aspects of co-ordination and development

Output:

(i) Reports to the fifth session of the Joint Conference of African Planners, Statisticians and Demographers on: (a) statistical activities (1986-1987) and statistical work programme (1988-1989) (first quarter, 1988); and (b) review of statistical problems and priorities in the region (first quarter, 1988);

(ii) Substantive servicing of the fifth session of the Joint Conference of African Planners, Statisticians and Demographers (first quarter, 1988);

(iii) Technical publications for government statisticians and planners: (a) Directory of African Statisticians (first quarter, 1988); (b) Bibliography of African Statistical Publications (fourth quarter, 1989); and (c) Statistical Newsletter (semi-annual).

Operational activities:

Two advisory service missions to member States, on request, on statistical organization.

1.2 Statistical data base development

Output

(i) Reports to the fifth session of the Joint Conference of African Planners, Statisticians and Demographers on: (a) the ECA statistical data base (first quarter, 1988); and (b) the survey of member States' requirements for developing statistical data bases (first quarter, 1988);

(ii) Technical publications: (a) print-outs of integrated social, demographic and economic data for government statisticians and planners (third quarter, 1988; third quarter, 1989); (b) Directory of Electronic Data Processing Centres and Experts in Africa for government statisticians and planners (first quarter, 1988); and (c) statistical computing on micro-computers for government statisticians and planners (second quarter, 1989).

Operational activities:

(i) Support to a training seminar on the use of software packages in statistical computing for French-speaking government statisticians and planners, including reports on: (a) the uses of statistical software packages (second quarter, 1988) and (b) essential features of selected statistical software packages (second quarter, 1988);

(ii) Two advisory service missions to member States, on request, on the development and maintenance of national statistical data base.

1.3 Statistical Training Programme for Africa (STPA)

Output:

(i) Report to the fifth session of the Joint Conference of African Planners, Statisticians and Demographers on the Statistical Training Programme for Africa (first quarter, 1988):

(ii) Reports to the biennial meeting of Directors of STPA centres on: (a) evaluation of the use of guide syllabuses in the teaching programmes at STPA centres and national statistical offices (first quarter, 1989); (b) review of the overall staffing of statistical offices in Africa as a result of the ten years implementation of the Statistical Training Programme for Africa (fourth quarter, 1989); and (c) improvement of research activities at STPA training centres (first quarter, 1989):

(iii) Substantive servicing of the biennial meeting of Directors of STPA centres (fourth quarter, 1989):

(iv) Technical publications for Directors of STPA and Associate centres, government statisticians and planners on: (a) STPA News (two issues per year); (b) directory of STPA and Associate centres (second quarter, 1989); and (c) Directory of non-STPA centres (second quarter, 1989).

Operational activities:

(i) Support to the biennial seminar for trainers involved in middle-level/in-service training on review of national in-service or middle level statistical training programmes in Africa (fourth quarter, 1988):

(ii) Four advisory service missions to the centres participating in the Statistical Training Programme for Africa (STPA) encountering difficulties (XB).

Subprogramme 2: Economic statistics

Programme elements:

2.1 National accounts, finance and prices

Output:

(i) Reports to the Intergovernmental Working Group on improving the basic statistics required for planning on: (a) the use of census, survey and administrative data in national accounts (third quarter, 1988); (b) towards an integrated and systematic approach to the improvement and development of basic economic statistics (third quarter, 1988); (c) prices and price analysis in the framework of national accounts (third quarter, 1988):

(iii) Substantive servicing of an Intergovernmental Working Group on improving the basic statistics required for planning purposes (third quarter, 1988);

(iii) Technical publications: computer print-outs for government statisticians and planners on: (a) national accounts (second quarter, 1988; fourth quarter 1988; fourth quarter, 1989); (b) sectoral deflators for African national accounts (fourth quarter 1988; fourth quarter 1989); (c) price statistics (second quarter, 1988; fourth quarter 1988; second quarter, 1989; fourth quarter 1989); (d) external transactions (third quarter, 1988; third quarter 1989); (e) public sector statistics (third quarter 1988; third quarter 1989);

(iv) Technical publications for government statisticians and planners on: (a) modern data-processing equipment as a tool to improve and facilitate compilation, publication and dissemination of price statistics (first quarter 1988); and (b) study on improvement of statistics on agriculture producer prices (second quarter, 1989).

2.2. National Accounts Capability Programme

Operational activities:

(i) Two advisory service missions to Member States, on request, in applying the United Nations System of National Accounts;

(ii) Four advisory service missions to Member States, on request, on improving basic economic statistics as a prerequisite for further improvement and development of national accounts (XA);

2.3. International trade statistics

Output:

(i) Technical publications: computer print-outs on international trade statistics for government statisticians and planners (fourth quarter 1988; fourth quarter 1989);

(ii) Technical publications: Foreign Trade Statistics for Africa: (a) series A: direction of total trade (fourth quarter, 1988; fourth quarter 1989); and (b) series C summary tables (fourth quarter, 1988; fourth quarter 1989);

(iii) Technical publications on: (a) the ECOWA's system of international trade statistics for government statisticians and planners (first quarter, 1989); and (b) conceptual framework of international trade statistics for government statisticians and planners (second quarter, 1989).

Operational activities:

(i) Two advisory service missions to member States, on request, on improving the coverage, timeliness and methodology of international trade statistics;

(ii) Support to a training seminar on international trade statistics for English-speaking government statisticians (fourth quarter, 1989).

2.4 Industrial statistics

Output:

(i) Reports for the Working Group on Improvement of Data on Small-scale and Household Industries on: (a) the importance of statistics on small-scale and household industries for development planning in Africa (fourth quarter, 1989); (b) conceptual framework for the development of data on small-scale and household industries (fourth quarter, 1989); (c) organization and conduct of surveys on small-scale and household industries (fourth quarter, 1989); and (d) suggested approaches to the integration of data on small-scale and household industries;

(ii) Substantive servicing of a working group on improvement of data on small-scale and household industries (fourth quarter, 1989);

(iii) Technical publications: (a) computer printouts on general industrial statistics and commodity production in mining, manufacturing, electricity, gas and water, including energy balance sheets for government statisticians and planners (fourth quarter, 1988; fourth quarter, 1989); and (b) statistics of new and renewable sources of energy for government statisticians and planners (first quarter, 1988).

Operational activities:

Four advisory service missions to member States, on request, on applying the international recommendations on industrial statistics, setting up integrated systems of industrial statistics and improving the coverage and timeliness of these data.

2.5 Other economic statistics

Output:

Technical publications: (a) African Statistical Yearbook (fourth quarter, 1988; fourth quarter, 1989); (b) African Social and Economic Indicators (fourth quarter, 1988; fourth quarter, 1989); (c) Statistical Information Bulletin for Africa (third quarter, 1988; third quarter, 1989); (d) road transport statistics for government statisticians and planners (second quarter, 1988); (e) review of statistics on youth and women in agriculture and distribution for print-outs on agricultural statistics for government statisticians and planners (fourth quarter, 1988; fourth quarter, 1989); (g) computer print-outs on transport and communications statistics for government statisticians and planners (third quarter, 1988; third quarter, 1989); and (h) computer print-outs on tourism statistics for government statisticians and planners (third quarter, 1988; third quarter, 1989).

Subprogramme 3. Censuses and surveys

Programme elements:

Output:

(i) Report to the Intergovernmental Working Group on Migration Statistics on: (a) review of data availability on internal migration statistics in Africa (third quarter, 1988); (b) review of data availability on international migration statistics in Africa (third quarter, 1988); and (c) problems of interlinking migration statistics from different sources (third quarter, 1988);

(ii) Substantive servicing of the Intergovernmental Working Group on Migration Statistics (fourth quarter, 1988);

(iii) Technical publications: (a) population registers in Africa and other more conventional sources of demographic statistics for government statisticians and planners (second quarter, 1989); and (b) socio-economic indicators on women, derived from household survey data and other sources for government statisticians and planners (fourth quarter, 1989).

3.2 Support to technical co-operation project in Central
Africa: Union douaniere et economique de l'Afrique
centrale

Output:

Technical publication: methods and problems of data processing in the 1990 round of population and housing censuses of the member States of the Customs and Economic Union of Central Africa, for government statisticians, demographers and planners (second quarter, 1988).

3.3 Regional advisory service in demographic statistics

Output:

(i) Reports to the Intergovernmental Working Group on Processing of Census, Civil Registration and Sample Survey Data on: (a) review of African practices in processing census, civil registration and sample survey data (second quarter, 1989); (b) integrated plans for data entry, editing, tabulation and analysis of data (second quarter, 1989); and (c) inventory of software packages available for statistical data processing in Africa (second quarter, 1989);

(ii) Substantive servicing of the intergovernmental working group on processing of census, civil registration and sample survey data (third quarter, 1989);

(iii) Technical publication: registration of the nomadic population for government statisticians and planners (third quarter, 1988).

Operational activities:

Four advisory service missions to member States, on request, on the organization, planning and conduct of national population and housing censuses and development of civil registration systems and vital statistics collection (second quarter, 1988; fourth quarter, 1988; second quarter, 1989; fourth quarter, 1989).

3.4 African Household Survey Capability Programme

Output:

(i) Reports to the Intergovernmental Working Group on Household Surveys on: (a) progress report on the African household survey capability programme (second quarter, 1989); (b) income, expenditure and consumption surveys: the African experience (third quarter, 1989); and (c) labour force surveys: experiences and problems in surveys conducted in the 1980s in Africa (third quarter, 1989);

(ii) Substantive servicing of the Intergovernmental Working Group on Household Surveys (fourth quarter, 1989);

(iii) Technical publication on the experience of the African region in household survey data analysis and applications for government statisticians and planners (third quarter, 1988).

Operational activities:

Two advisory service missions to member States, on request, on the preparation of survey programme documents, establishment of active survey operations and training and development of staff resources needed in establishing effective survey programmes.

3.5 Environment statistics

Output:

Technical publication: computer print-outs on environment statistics for government statisticians and planners (first quarter, 1988; third quarter 1988; first quarter, 1989; third quarter, 1989).

Operational activities:

(i) Two advisory service missions to member States, on request, on the establishment or improvement of environment statistics;

(ii) Support to: (a) the workshop for English-speaking countries on environment statistics (second quarter, 1988); and (b) the workshop for French-speaking countries on environment statistics (second quarter, 1989).

ANNEX III

WORK PROGRAMME FOR THE BIENNIUM 1990-1991

STATISTICS IN AFRICA

During the biennium, the activities under this programme will respond to the continuing and growing need for reliable and up-to-date data. The programme will concentrate on technical assistance to improve data collection and processing of basic data and on strengthening national data bases, and on further development of the ECA statistical data base by completing work on the country profiles component. The three subprogrammes, their programme elements and related output over the biennium are described below:

Subprogramme 1: Statistical development

Programme elements:

1.1 General aspects of co-ordination and development

Output:

(i) Reports to the Joint Conference of African Planners, Statisticians and Demographers on: (a) ECA statistical activities (1988-1989), the statistical work programme (1990-1991) and the provisional work programme (1992-1993) (first quarter, 1990); (b) the use of statistical information for monitoring the implementation of development plans (first quarter, 1990); and (c) the statistical development programme for Africa (first quarter, 1990);

(ii) Technical publications: (a) Statistical Newsletter (second and fourth quarters, 1990 and 1991); and (b) African Statistical Yearbook (fourth quarter, 1990 and 1991).

1.2 Organizational, training and dissemination activities in the field of statistics

Output:

(i) Reports to directors of centres participating in the Statistical Training Programme for Africa (STPA) on: (a) the progress made in the implementation of the special assistance programme to the Portuguese-speaking countries in the field of statistical training (fourth quarter, 1990); (b) the participation of women in statistical development in Africa (fourth quarter, 1990); and (c) specialized training and post-graduate studies at STPA centres (second quarter, 1991);

(ii) Technical publications: (a) African Social and Economic Indicators (fourth quarter, 1990 and 1991); and (b) Bibliography of African Statistical Publications (fourth quarter, 1991).

Operational activities:

Advisory service missions to member States upon request, on statistical organization (second quarter, 1990 and 1991).

1.3 Statistical data base development

Output:

(i) Reports to the Joint Conference of African Planners, Statisticians and Demographers on: (a) the development and maintenance of national statistical data bases (first quarter, 1990); and (b) guidelines on the acquisition of computer facilities, including micro-computers, and their supporting software for statistical computing (first quarter, 1990);

(ii) Technical publications: (a) integrated social, demographic, environmental and economic data (third quarter, 1990 and 1991); (b) Directory of Electronic Data Processing Centres and Experts in Africa (first quarter, 1991); and (c) Directory of African Statisticians (first quarter, 1990).

Operational activities:

(a) Substantive servicing of and reports on a training workshop on the use of local area micro-computer networks for the development of statistical data bases for English-speaking government statisticians (fourth quarter, 1991); and (b) advisory service missions to member States, upon request, on the development and maintenance of national statistical data bases (fourth quarter, 1990; second quarter, 1991).

Subprogramme 2: Economic statistics

Programme elements:

2.1 National accounts and finance

Output:

(i) Computer printouts on (a) national accounts (second and fourth quarters, 1990 and 1991); (b) sectoral deflators/inflators for national accounts (fourth quarter, 1990 and 1991); and (c) public sector statistics (second and fourth quarters, 1990 and 1991);

(ii) Substantive servicing of an intergovernmental seminar on the revised United Nations System of National Accounts (first quarter, 1990).

Operational activities:

(a) assistance to ECA member States to build up their national accounts capability under the project "Statistical Development Programme for Africa" (1990, 1991); and (b) advisory service missions to member States, upon request, on improving the availability and timeliness of basic economic statistics and applying the revised United Nations System of National Accounts (1990 and 1991).

2.2 External trade statistics

Output:

(i) Computer printouts on international trade statistics for government statisticians and planners (second and fourth quarters, 1990 and 1991);

(ii) Technical publications: (a) guidelines for compiling data on prices and the calculation of related index numbers (second quarter, 1990); (b) requirements for setting up a comprehensive data base on inter-African trade statistics (second quarter, 1991); and (c) Foreign Trade Statistics for Africa: (i) series A: direction of total trade (fourth quarter, 1990 and 1991); and (ii) series C: summary tables (fourth quarter, 1990 and 1991).

Operational activities:

Advisory service missions to member States, upon request, on improving the quality, coverage and methodology of foreign trade statistics (second quarter, 1990 and 1991).

2.3 Industrial and energy statistics

Output:

(i) Computer printouts on industrial statistics, including energy balance sheets and construction statistics: (one each, fourth quarter, 1990 and 1991);

(ii) Technical publication: construction statistics practices and methods in Africa (second quarter, 1990);

(iii) Reports to the intergovernmental working group on statistics of new and renewable sources of energy on (a) availability in Africa of data on new and renewable sources of energy (fourth quarter, 1991); (b) needs and uses of statistics on new and renewable sources of energy (fourth quarter, 1991); and (c) approaches to the compilation of biomass statistics in Africa (fourth quarter, 1991).

Operational activities:

Advisory services missions to member States, upon request, on the application of international recommendations on industrial statistics and on improving the coverage and timeliness of the data (1990 and 1991).

2.4 Price statistics and other economic statistics

Output:

Computer printouts on (a) price statistics (second and fourth quarters, 1990 and 1991); (b) agricultural statistics (second quarter, 1990 and 1991); (c) transport and communications statistics (second and fourth quarters, 1990 and 1991); and (d) tourism statistics (third quarter, 1990 and 1991).

Intermediate activity: Preparation of the statistical annex to the Survey of Economic and Social Conditions in Africa (1990-1991).

Subprogramme 3: Censuses and surveys

Programme elements:

3.1 Demographic, social and household statistics

Output:

(i) Reports to the Joint Conference of African Planners, Statisticians and Demographers on: (a) support to the technical co-operation project in Central Africa: Central African Economic and Customs Union (UDEAC), (first quarter, 1990); and (b) the evaluation of the African Household Survey Capability Programme at the national and regional levels (first quarter, 1990);

(ii) Computer printouts on demographic and social statistics (second quarter, 1990 and 1991);

(iii) Reports to the Intergovernmental Working Group on Civil Registration Systems and Vital Statistics on: (a) an overview of the current state and problems in the implementation of the Programme of Action adopted by the Working Group at its meetings held at Addis Ababa, from 12 to 26 October 1985 (fourth quarter, 1990); (b) review of civil registration system and vital statistics collection in Africa (case studies) (fourth quarter, 1990); (c) registration of births and deaths among nomadic populations (second quarter, 1991);

(iv) Technical publications: (a) guidelines for the improvement of statistics on: (i) youth in Africa (third quarter, 1990) and (ii) disability in Africa (fourth quarter, 1991); (b) the use of sampling in African population censuses (third quarter, 1991); and (c) methods and problems of census data processing in Africa (second quarter, 1991).

3.2 Environment statistics

Output:

(i) Technical publications: (a) African Compendium on Environment Statistics (first quarter, 1990); and (b) guidelines on environment statistics in Africa (fourth quarter, 1991);

(ii) Printouts/diskettes on environment statistics (fourth quarter, 1990; third quarter, 1991);

(iii) Report to the Joint Conference of African Planners, Statisticians and Demographers on the progress made in the field of environment statistics (first quarter, 1990).

Operational activities:

Advisory service missions to member States, upon request, for establishing or improving environment statistics and to assist national statistical offices in data base development and the utilization of micro-computer equipment with geographical information system capability.

ANNEX IV

PROPOSED WORK PROGRAMME NARRATIVE, 1992-1993

Subprogramme 26: Statistical Development in Africa

In accordance with the Medium-Term Plan for 1992-1997, the former programme "Statistics in Africa" becomes a subprogramme entitled "Statistical Development in Africa". The proposed programme elements and the related outputs are described below.

Programme elements:1. General aspects of coordination and statistical data base developmentOutput:

- (i) Report to the seventh session of the Joint Conference of African Planners, Statisticians and Demographers on (a) ECA statistical activities (1990-1991) on and future work programme (first quarter 1992); (b) vertical and horizontal collaboration with respect to data processing among the different organizational units of the national statistical offices (first quarter 1992); and (c) guidelines on the acquisition of computer facilities, including microcomputers, and their supporting software for statistical computing (first quarter 1992).
- (ii) Substantive overview of the seventh session of the Joint Conference of African Planners, Statisticians and Demographers (first quarter 1992).
- (iii) Technical publications: (a) integrated social, demographic, environmental and economic data (third quarter 1992 and 1993); (b) Statistical Newsletter (second and fourth quarters 1992 and 1993); (c) African Statistical Yearbook (fourth quarter 1992 and 1993); (d) Directory of Electronic Data Processing Centres and Experts in Africa (first quarter 1993); and (e) Directory of African Statisticians (second quarter 1992).

Operational activities: (a) Substantive servicing of a training workshop on the use of local area microcomputer networks for the development of statistical data bases, for French-speaking Government statisticians (fourth quarter 1993), and (b) advisory service missions to member States.

upon request, on the development and maintenance of national statistical data bases (fourth quarter, 1992; third quarter, 1993).

2. Organizational, training and dissemination activities in the field of statistics

Output:

- (i) Reports to Directors of Centres participating in the Statistical Training Programme for Africa (STPA) on (a) assessment of the use of trained statisticians in Africa as a result of the 15 years implementation of STPA (third quarter 1993); and (b) statistical training programmes for Portuguese-speaking African countries: selected issues (fourth quarter 1993).
- (ii) Technical publications: (a) African Social and Economic Indicators (fourth quarter, 1992 and 1993); and (b) Bibliography of African Statistical Publications (fourth quarter 1993).

Operational activities: (a) support to the biennial seminar for trainers involved in middle level/in-service statistical training programmes in Africa (fourth quarter 1993); and (b) advisory service missions to member States, upon request, on statistical organization (second quarter 1992 and 1993).

3. National accounts and finance

Output:

- (i) Computer programs on (a) national accounts (second and fourth quarters 1992 and 1993); (b) sectoral deflators/inflators for national accounts (fourth quarter, 1992 and 1993); and (c) public sector statistics (second and fourth quarters 1992 and 1993).
- (ii) Substantive servicing of an intergovernmental seminar on the revised United Nations System of National Accounts (second quarter 1992).

Operational activities: (a) Technical assistance to ECA member States aimed at improving the quality of their basic economic statistics needed for development policy formulation and planning, and reducing the data gaps and time lags (1992 and 1993); and (b) Advisory service missions to member States, upon request, on applying the revised United Nations System of National Accounts (second quarter, 1992 and 1993).

4. External trade, industrial and other economic statistics

Output

- (i) Computer printouts on: (a) international trade statistics for government statisticians and planners (fourth quarter, 1992 and 1993); (b) industrial statistics including energy balance-sheets and construction statistics (one, fourth quarter of each year); and (c) price statistics (second and fourth quarter, 1992 and 1993).
- (ii) Technical publications: (a) Foreign Trade Statistics for Africa Series A: Direction of total trade (fourth quarter, 1992 and 1993); and Series C: Summary tables (fourth quarter, 1992 and 1993); Problems experienced by African countries in the field of international trade statistics and suggestions for remedial action (third quarter 1992).
- (iii) Substantive servicing of the intergovernmental working group on International Trade Statistics in Africa (bilingual English- and French-speaking countries) (fourth quarter 1993).
- (iv) Reports to the intergovernmental working group on International Trade Statistics in Africa (bilingual English and French-speaking countries) on:
 - (a) Review of the various types of indexes used in international trade statistics (fourth quarter, 1993).
 - (b) The linkage of international trade statistics with other economic statistics (fourth quarter, 1993).
- (v) Substantive servicing of an Intergovernmental Working Group on improving the coverage, quality and timeliness of data on manufacturing in Africa (fourth quarter, 1993).
- (vi) Reports to the Intergovernmental Working Group on improving the coverage, quality and timeliness of data on manufacturing in Africa on:
 - (a) Assessment of the current state of data on manufacturing in the region (fourth quarter, 1993).

- (b) Review of selected sources of statistical information on manufacturing (fourth quarter, 1993); and
- (c) Conceptual framework for the development of data on manufacturing (fourth quarter, 1993).
- (vii) Technical publications for government statisticians and planners on: (a) wholesale price indices of African countries: status, methods of compilation and analysis and some suggestions for their improvement; (b) Agriculture statistics (second and fourth quarters, 1992 and 1993); (c) Transport and communications statistics (second and fourth quarters, 1992 and 1993); and (d) tourism statistics (third quarter, 1992 and 1993).

Operational activities: (a) Advisory service missions to member States upon requests, on improving the quality, coverage and methodology of international trade statistics (one mission, second and third quarters 1992 and 1993); and (b) Four advisory service missions to member States, on request, on setting up integrated systems of industrial and construction statistics and improving the coverage and timeliness of these data (second and fourth quarter, 1992 and 1993).

5. Demographic, social and household statistics

Output:

- (i) Computer printouts on demographic and social statistics (one in 1992 and one in 1993).
- (ii) Reports to and substantive servicing of an intergovernmental working group on social indicators framework of relevance to Africa (three reports and one meeting (second quarter 1993)).
- (iii) Technical publications for government statisticians and planners on (a) alternatives to population censuses in the provision of small areas statistics; (b) selected issues on concepts, definitions and classifications used in population censuses and demographic surveys in Africa; and (c) applications and analysis of household survey data of particular relevance to the African region.

Operational activities

Four advisory missions to member States, on request, on the organization, planning and conduct of population and housing censuses, household surveys and development of civil registration systems and vital statistics collection (second and fourth quarters 1992 and 1993).

6. Environment statisticsOutput:(i) Sales publication:

African Compendium on Environment Statistics
(fourth quarter 1993).

(ii) Ad hoc technical information service:

Printouts/diskettes on environment statistics for government statisticians and planners (one set in the fourth quarter 1992; one in the second quarter 1993).

(iii) Technical publication: Specification of Guidelines on Environment Statistics in Africa for government statisticians and planners: Environmental Accounting (fourth quarter 1993).(iv) Progress Report on Environment Statistics to the Seventh Session of the Joint Conference of African Planners, Statisticians and Demographers (first quarter 1992).Intermediate activity:(i) Report to and servicing of an Ad hoc Expert Group meeting on Specification of Guidelines on Environment Statistics for Africa: discussion of draft on Environmental Accounting (first quarter 1993).

Operational activity: (a) Four advisory services to member States, upon request, for establishing or improving environment statistics in national statistical offices and for data collection (two missions per year during the second and third quarters 1992 and 1993); (b) in the context of a project aimed at assisting 20 member States to establish environment statistics, advisory service missions by a consultant should be undertaken to assist national statistical offices in data base development and the utilization of micro-computer equipment with geographical information system (GIS) capability; and (c) pilot studies

5
E/BCA/PSD.6/18

Annex IV

Page 6

on environmental accounting should be conducted in two
member States (input into draft mentioned above).